

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042318\
 Data File : BG033942.D
 Acq On : 24 Apr 2018 5:29
 Operator : SJ/JU
 Sample : J2496-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 24 08:04:39 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 13:56:22 2018
 Response via : Initial Calibration

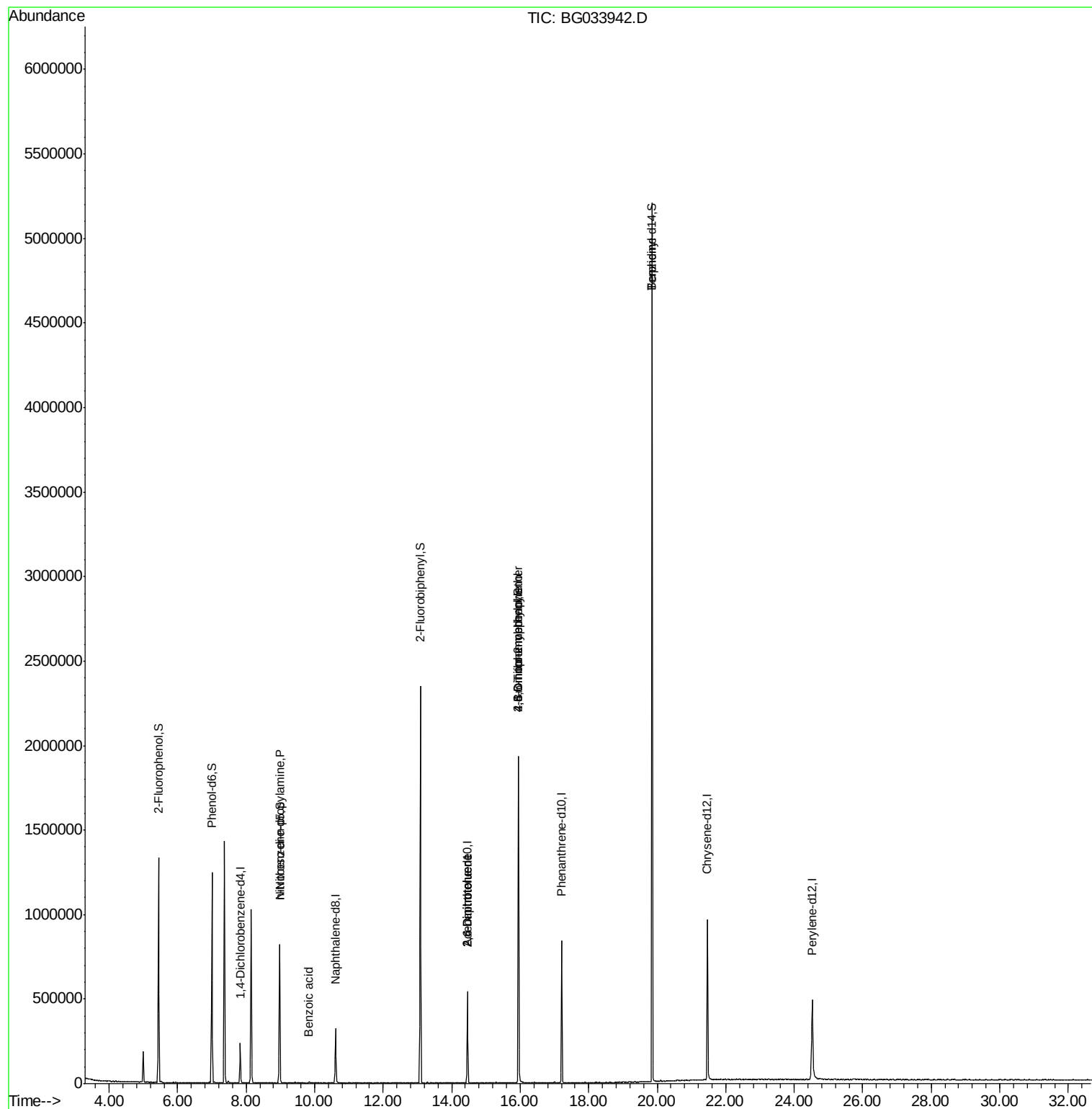
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	63756	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	274799	20.00	ng	-0.01
38) Acenaphthene-d10	14.46	164	184836	20.00	ng	-0.01
63) Phenanthrene-d10	17.21	188	519889	20.00	ng	-0.02
75) Chrysene-d12	21.46	240	564711	20.00	ng	-0.03
86) Perylene-d12	24.53	264	546375	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	554503	138.85	ng	0.00
7) Phenol-d6	7.00	99	680156	116.77	ng	0.00
23) Nitrobenzene-d5	8.98	82	497598	103.05	ng	0.00
41) 2,4,6-Tribromophenol	15.95	330	353816	164.08	ng	-0.01
44) 2-Fluorobiphenyl	13.09	172	1230466	97.79	ng	-0.01
78) Terphenyl-d14	19.85	244	2334848	92.89	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.00	77	1627	Below Cal	Qvalue	# 51
19) n-Nitroso-di-n-propylamine	8.98	70	68900	13.877 ng	#	82
32) Benzoic acid	9.83	122	4212	6.056 ng	#	98
50) 2,6-Dinitrotoluene	14.46	165	23424	7.602 ng	#	20
56) 2,4-Dinitrotoluene	14.46	165	23424	5.717 ng	#	18
64) 4,6-Dinitro-2-methylphenol	15.95	198	937	6.813 ng	#	66
66) 4-Bromophenyl-phenylether	15.95	248	17458	3.058 ng	#	1
76) Benzydine	19.85	184	39588	2.596 ng	#	94

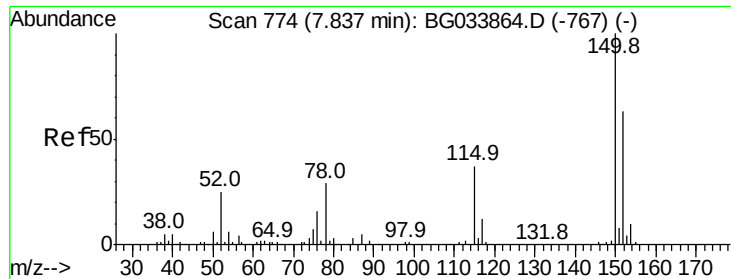
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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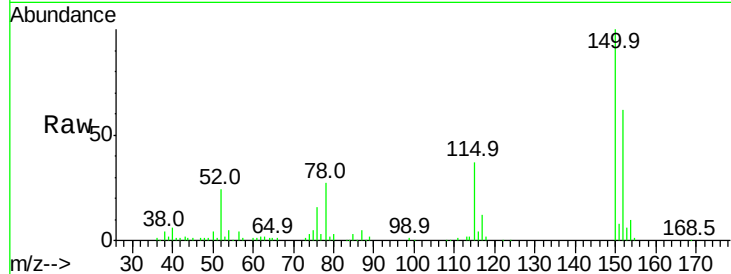


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 772
Delta R.T. -0.01 min
Lab File: BG033942.D
Acq: 24 Apr 2018 5:29

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.4	126.6	189.8
115	60.2	53.0	79.4

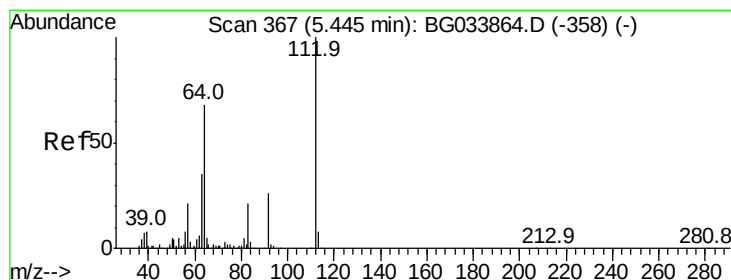
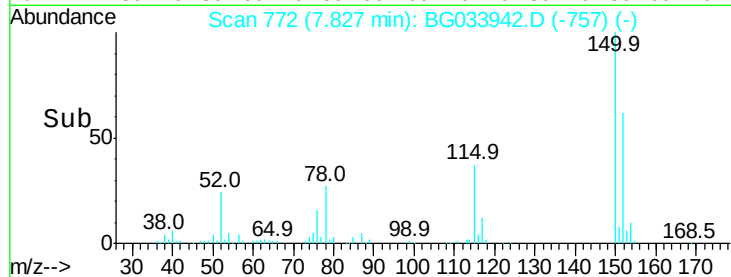
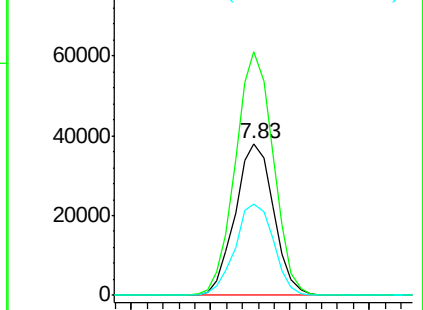


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

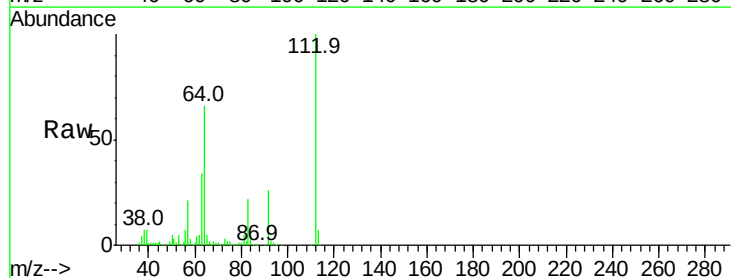
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 138.855 ng
RT: 5.44 min Scan# 366
Delta R.T. -0.00 min
Lab File: BG033942.D
Acq: 24 Apr 2018 5:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.9	56.3	84.5
63	34.3	30.1	45.1

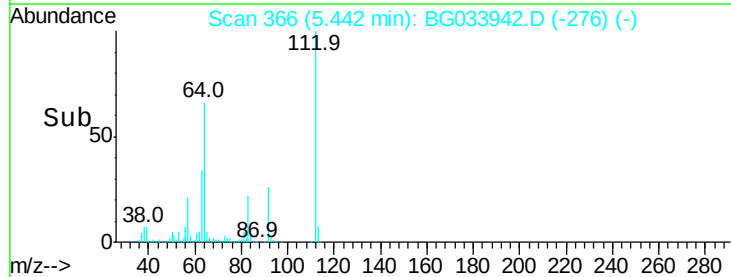
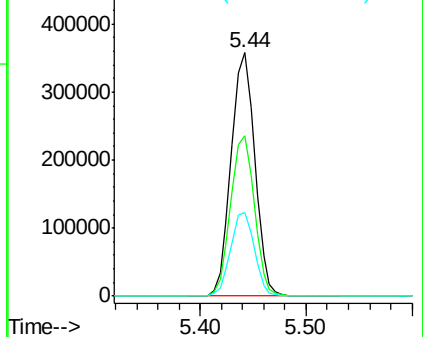


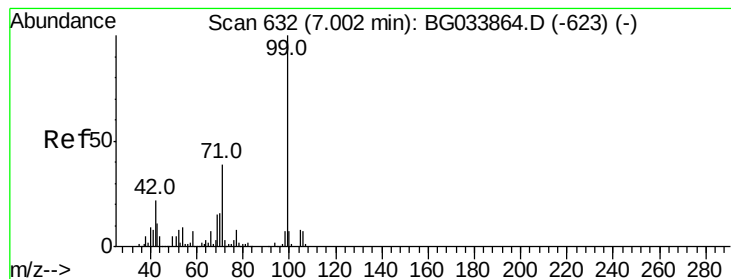
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 116.773 ng

RT: 7.00 min Scan# 631

Delta R.T. -0.00 min

Lab File: BG033942.D

Acq: 24 Apr 2018 5:29

Instrument :

BNA_G

ClientSampled :

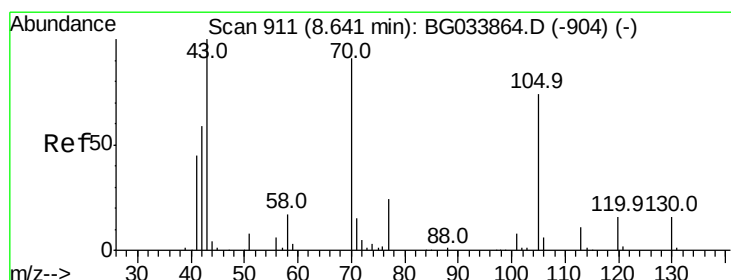
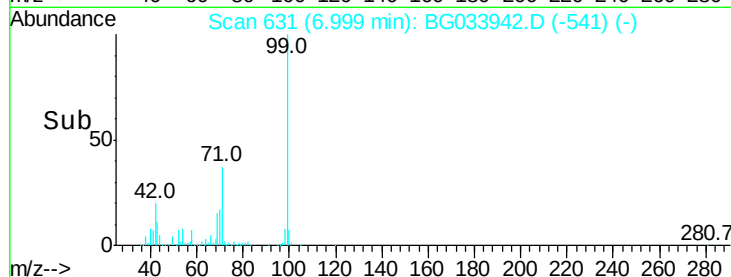
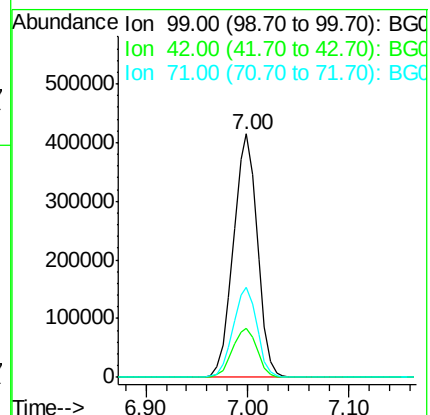
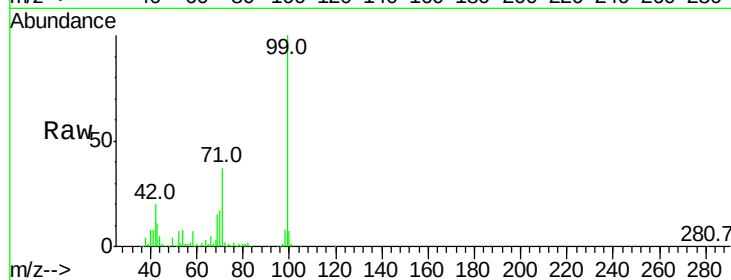
Tot Ion: 99 Resp: 680156

Ion Ratio Lower Upper

99 100

42 20.2 14.1 21.1

71 37.0 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 13.877 ng

RT: 8.98 min Scan# 968

Delta R.T. 0.34 min

Lab File: BG033942.D

Acq: 24 Apr 2018 5:29

Tgt Ion: 70 Resp: 68900

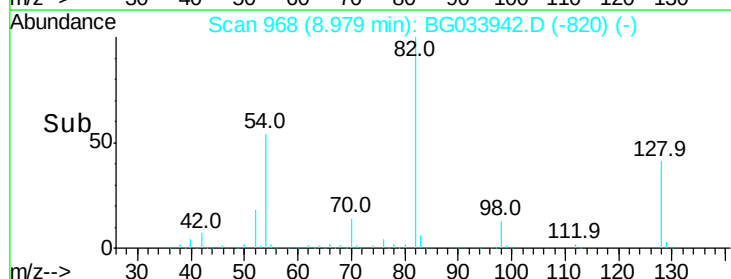
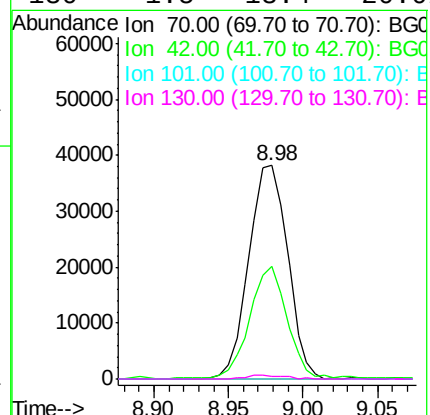
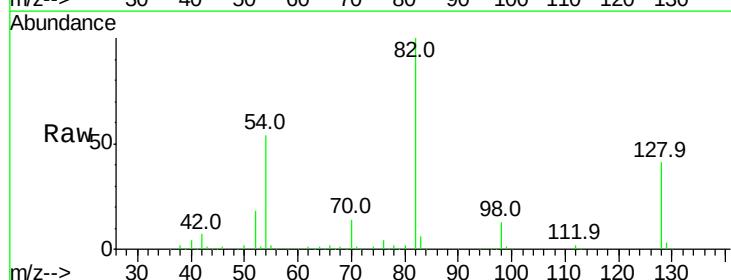
Ion Ratio Lower Upper

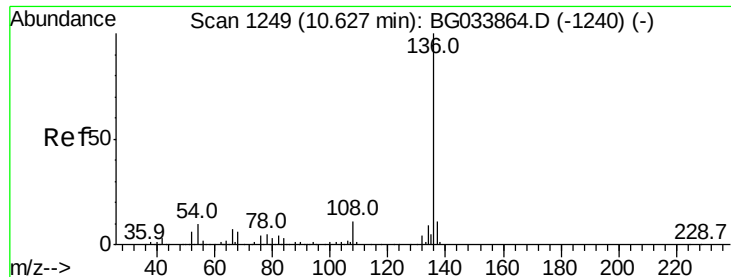
70 100

42 53.0 49.1 73.7

101 0.0 8.5 12.7#

130 1.5 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.61 min Scan# 1246

Delta R.T. -0.01 min

Lab File: BG033942.D

Acq: 24 Apr 2018 5:29

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 274799

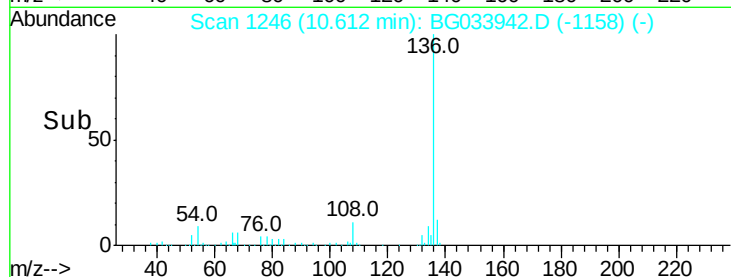
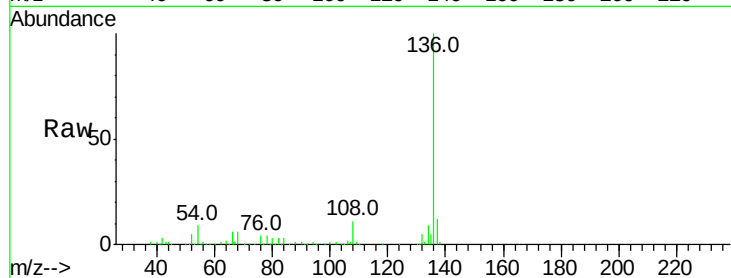
Ion Ratio Lower Upper

136 100

137 11.5 9.2 13.8

54 8.5 10.3 15.5#

68 5.8 4.5 6.7

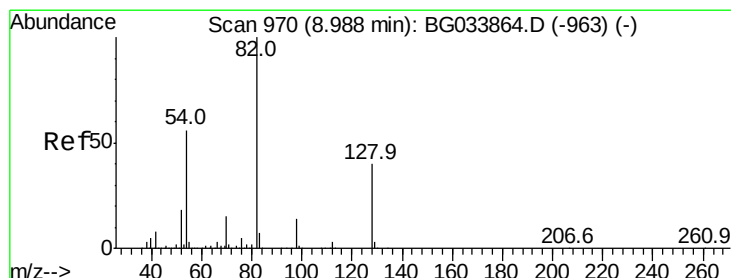
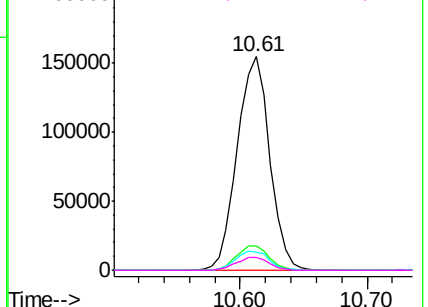


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 103.050 ng

RT: 8.98 min Scan# 968

Delta R.T. -0.01 min

Lab File: BG033942.D

Acq: 24 Apr 2018 5:29

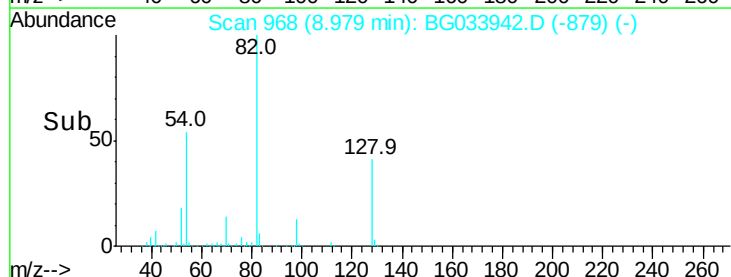
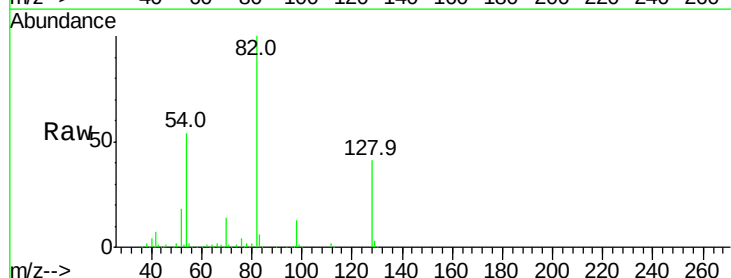
Tgt Ion: 82 Resp: 497598

Ion Ratio Lower Upper

82 100

128 41.1 29.7 44.5

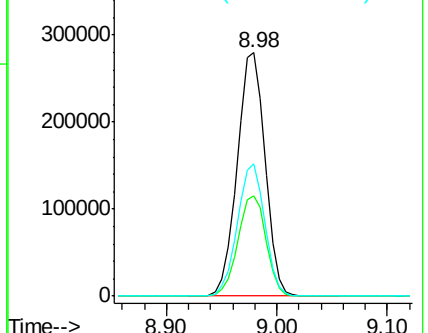
54 54.3 43.1 64.7

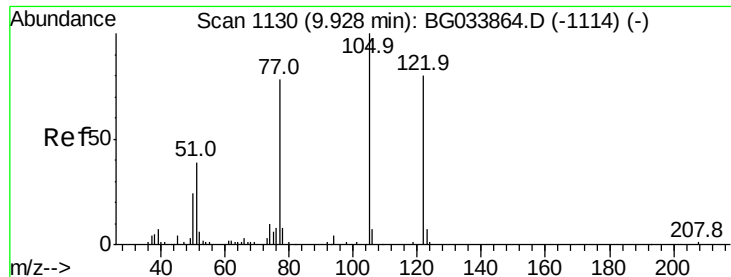


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 6.056 ng

RT: 9.83 min Scan# 1113

Delta R.T. -0.10 min

Lab File: BG033942.D

Acq: 24 Apr 2018 5:29

Instrument :

BNA_G

ClientSampleId :

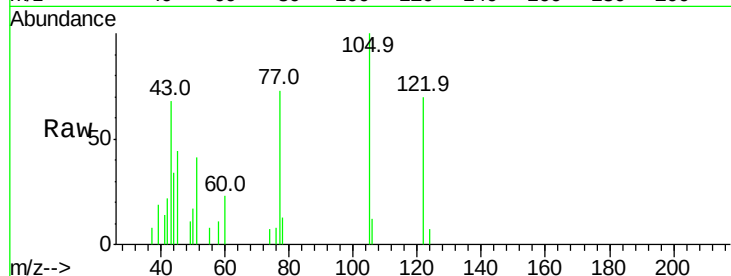
Tot Ion:122 Resp: 4212

Ion Ratio Lower Upper

122 100

105 141.9 123.5 163.5

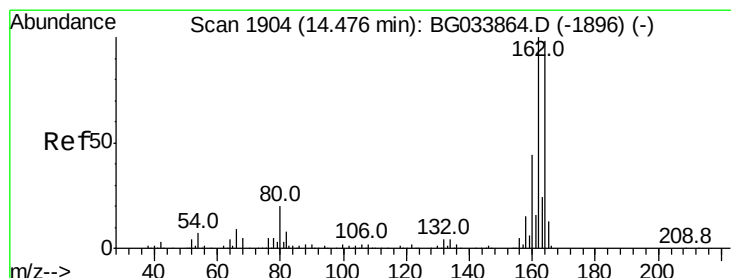
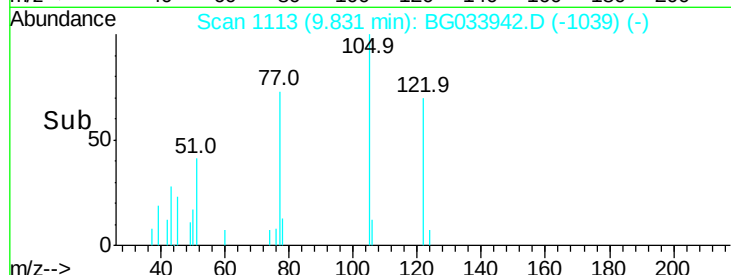
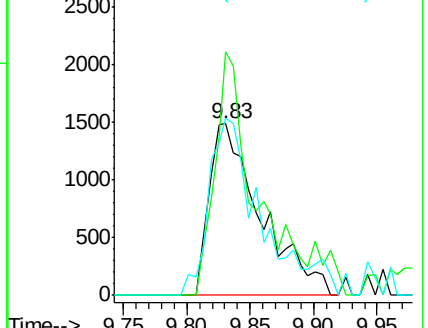
77 103.2 85.7 125.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1901

Delta R.T. -0.01 min

Lab File: BG033942.D

Acq: 24 Apr 2018 5:29

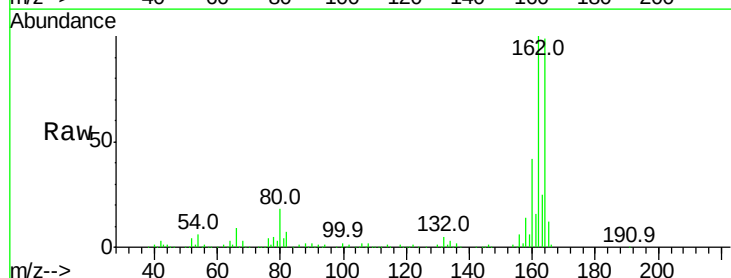
Tgt Ion:164 Resp: 184836

Ion Ratio Lower Upper

164 100

162 100.6 78.8 118.2

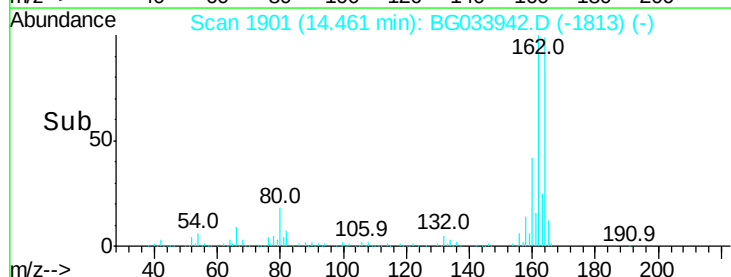
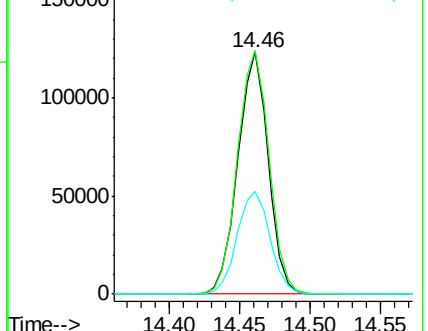
160 42.3 35.4 53.0

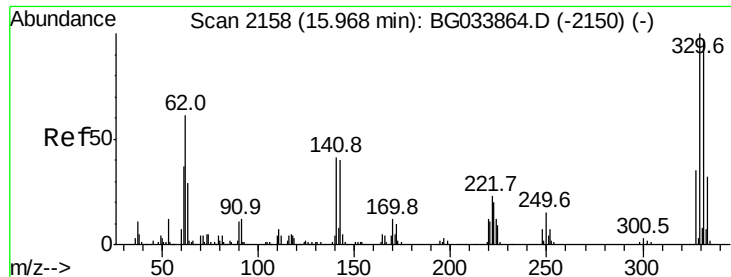


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

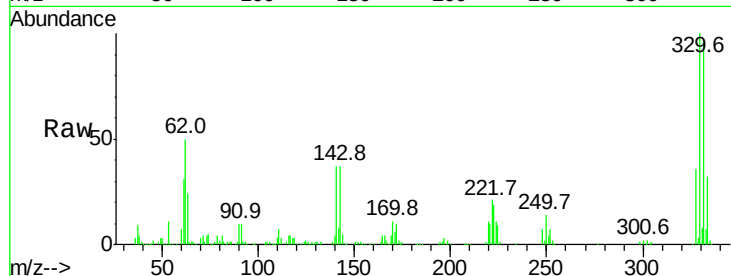




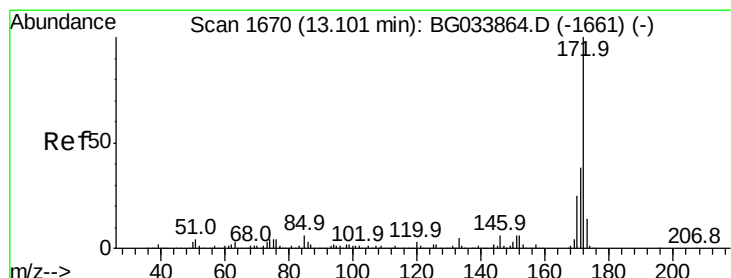
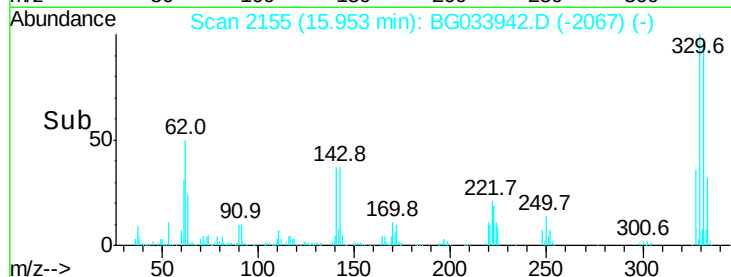
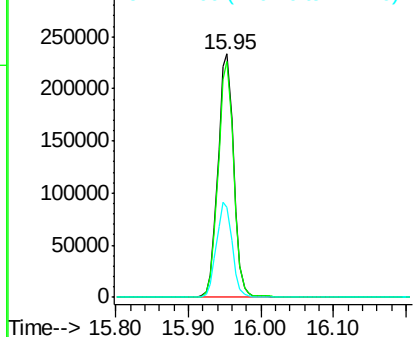
#41
 2,4,6-Tribromophenol
 Concen: 164.077 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.01 min
 Lab File: BG033942.D
 Acq: 24 Apr 2018 5:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 353816
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.0 115.6
 141 39.5 25.2 37.8#

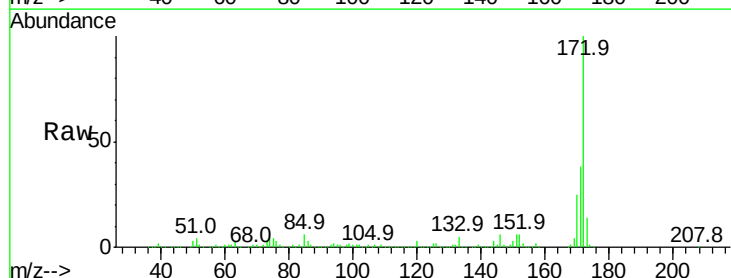


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

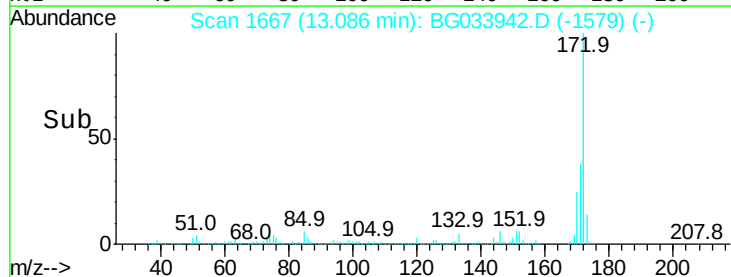
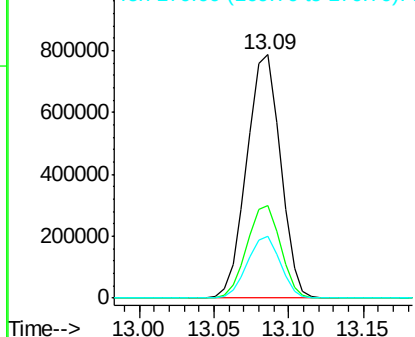


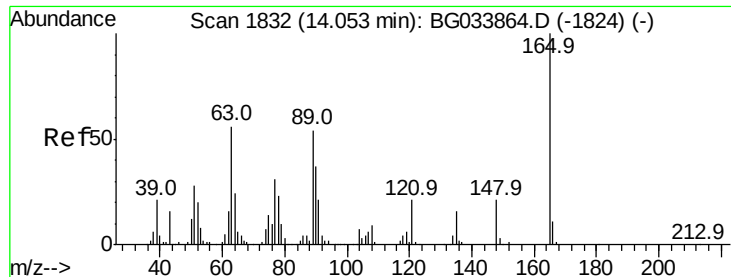
#44
 2-Fluorobiphenyl
 Concen: 97.794 ng
 RT: 13.09 min Scan# 1667
 Delta R.T. -0.01 min
 Lab File: BG033942.D
 Acq: 24 Apr 2018 5:29

Tgt Ion:172 Resp: 1230466
 Ion Ratio Lower Upper
 172 100
 171 38.2 30.0 45.0
 170 25.3 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

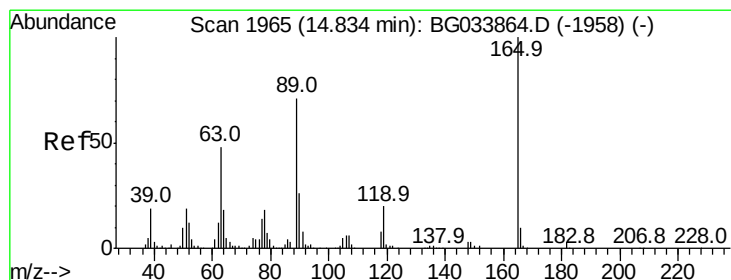
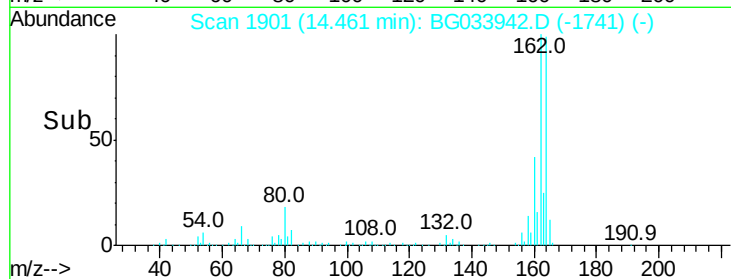
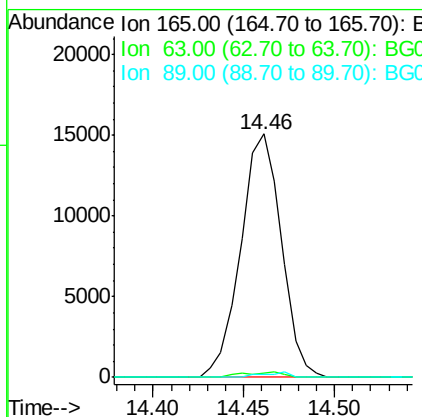
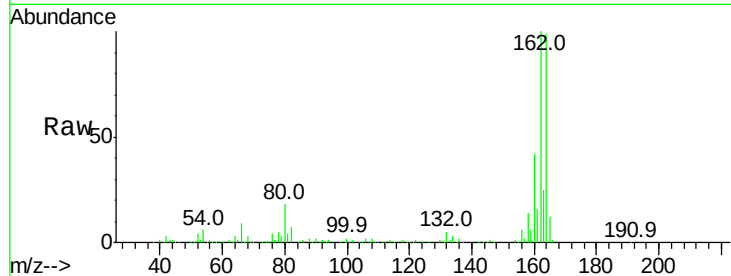




#50
 2,6-Dinitrotoluene
 Concen: 7.602 ng
 RT: 14.46 min Scan# 1901
 Delta R.T. 0.41 min
 Lab File: BG033942.D
 Acq: 24 Apr 2018 5:29

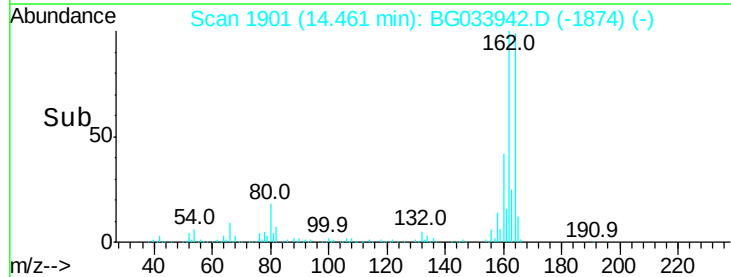
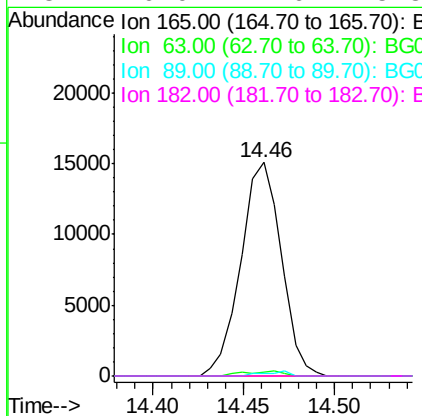
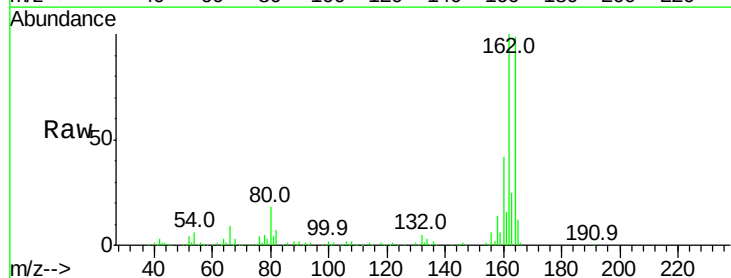
Instrument :
 BNA_G
 ClientSampleId :

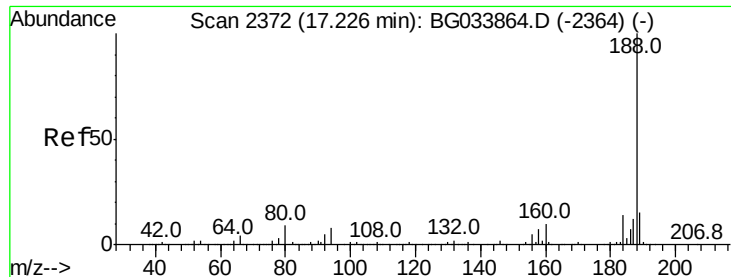
Tot Ion:165 Resp: 23424
 Ion Ratio Lower Upper
 165 100
 63 1.9 52.7 79.1#
 89 1.5 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.717 ng
 RT: 14.46 min Scan# 1901
 Delta R.T. -0.37 min
 Lab File: BG033942.D
 Acq: 24 Apr 2018 5:29

Tgt Ion:165 Resp: 23424
 Ion Ratio Lower Upper
 165 100
 63 1.9 42.0 63.0#
 89 1.5 66.9 100.3#
 182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.21 min Scan# 2369

Delta R.T. -0.02 min

Lab File: BG033942.D

Acq: 24 Apr 2018 5:29

Instrument :

BNA_G

ClientSampleId :

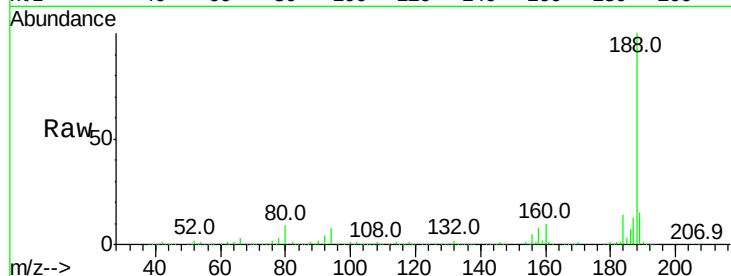
Tot Ion:188 Resp: 519889

Ion Ratio Lower Upper

188 100

94 7.7 6.9 10.3

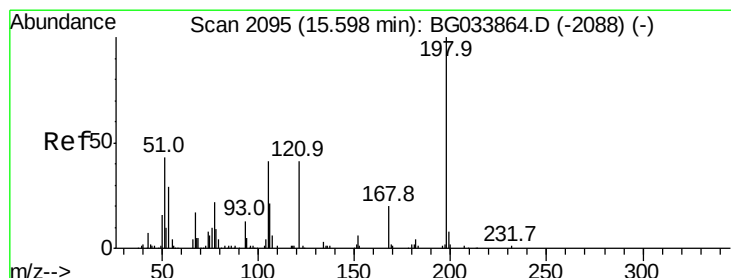
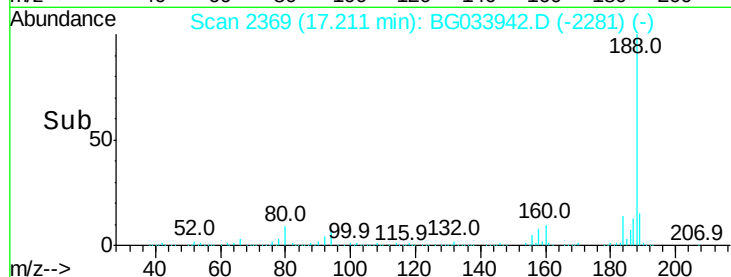
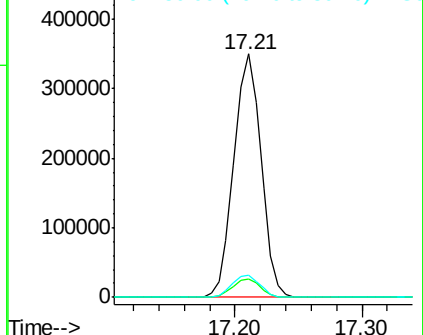
80 8.9 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 6.813 ng

RT: 15.95 min Scan# 2155

Delta R.T. 0.36 min

Lab File: BG033942.D

Acq: 24 Apr 2018 5:29

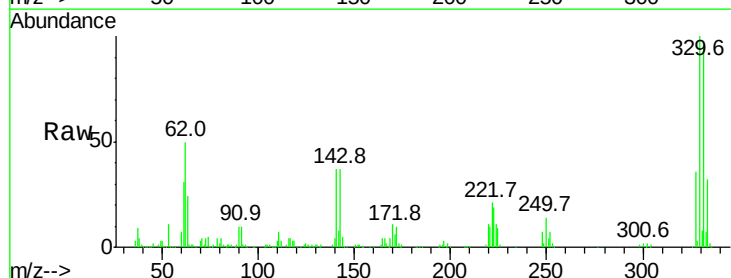
Tgt Ion:198 Resp: 937

Ion Ratio Lower Upper

198 100

51 21.0 30.6 70.6#

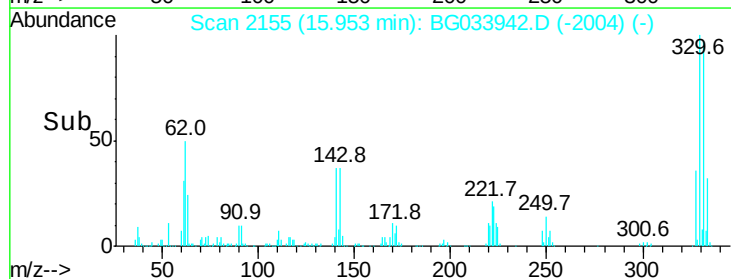
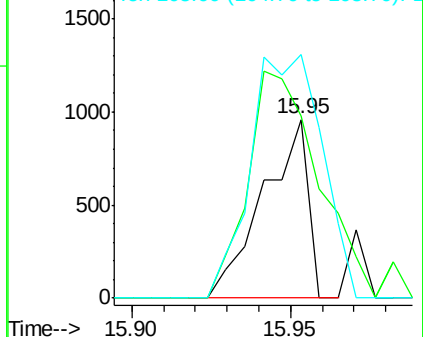
105 28.1 23.8 63.8

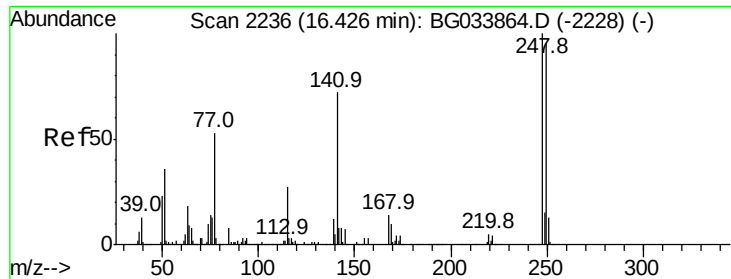


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

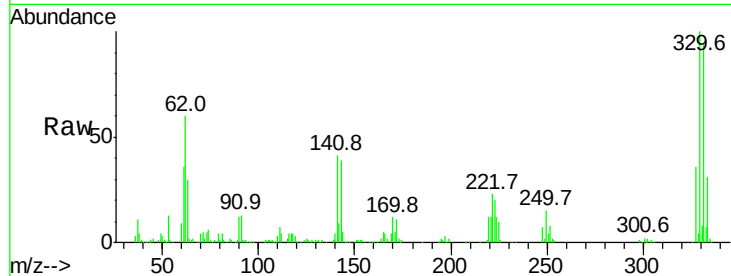




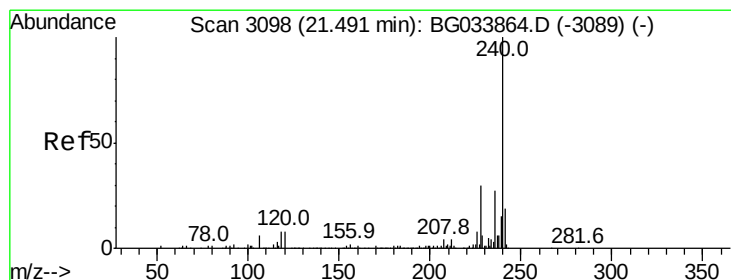
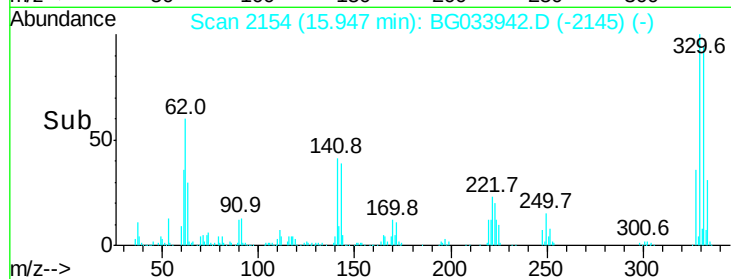
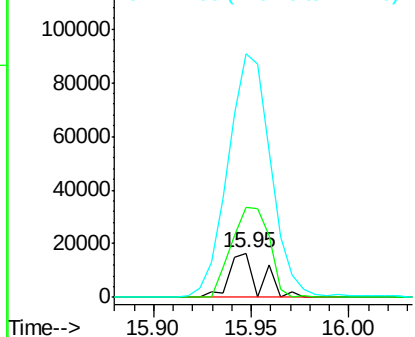
#66
 4-Bromophenyl-phenylether
 Concen: 3.058 ng
 RT: 15.95 min Scan# 2154
 Delta R.T. -0.48 min
 Lab File: BG033942.D
 Acq: 24 Apr 2018 5:29

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 17458
 Ion Ratio Lower Upper
 248 100
 250 202.9 77.1 115.7#
 141 425.5 50.8 76.2#

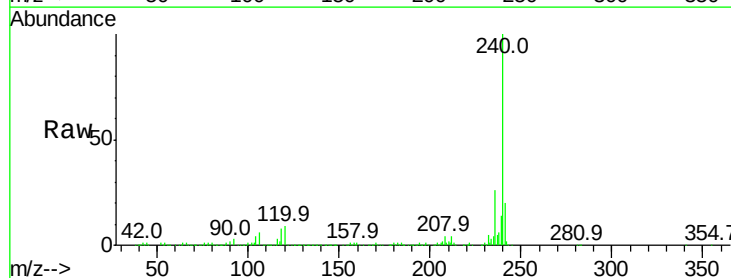


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

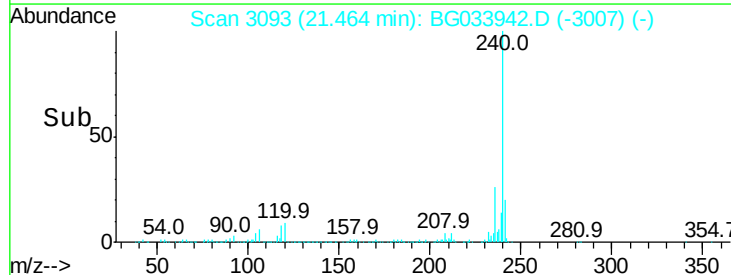
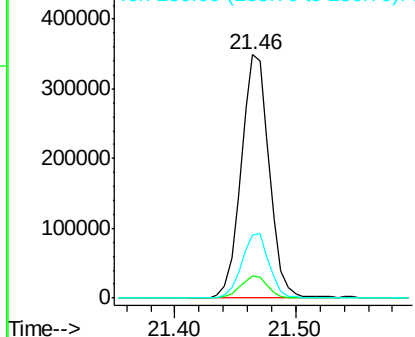


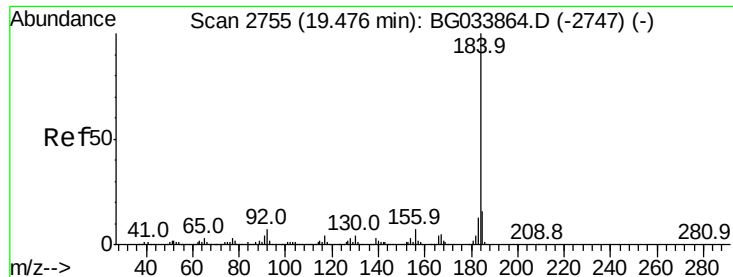
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.46 min Scan# 3093
 Delta R.T. -0.03 min
 Lab File: BG033942.D
 Acq: 24 Apr 2018 5:29

Tgt Ion:240 Resp: 564711
 Ion Ratio Lower Upper
 240 100
 120 8.9 6.8 10.2
 236 26.1 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.596 ng

RT: 19.85 min Scan# 2818

Delta R.T. 0.37 min

Lab File: BG033942.D

Acq: 24 Apr 2018 5:29

Instrument :

BNA_G

ClientSampleId :

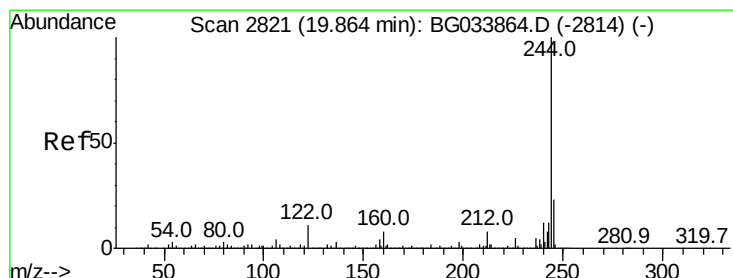
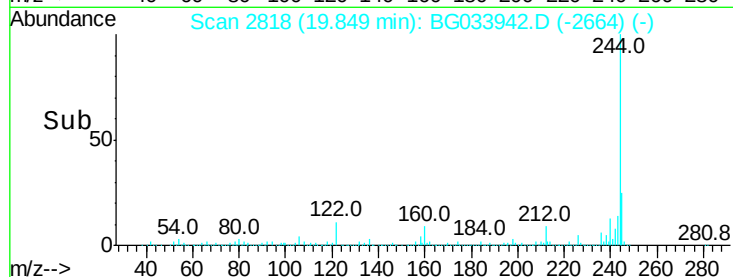
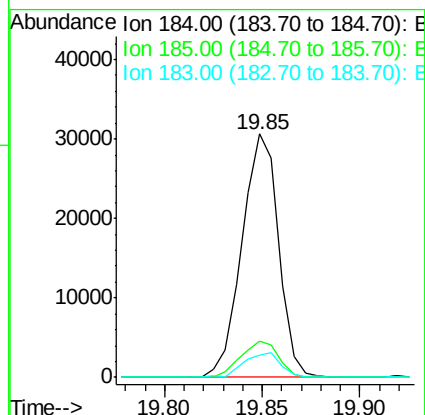
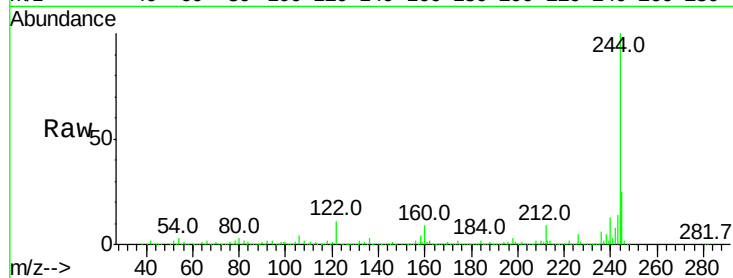
Tot Ion:184 Resp: 39588

Ion Ratio Lower Upper

184 100

185 15.0 11.1 16.7

183 9.2 10.6 16.0#



#78

Terphenyl-d14

Concen: 92.888 ng

RT: 19.85 min Scan# 2818

Delta R.T. -0.01 min

Lab File: BG033942.D

Acq: 24 Apr 2018 5:29

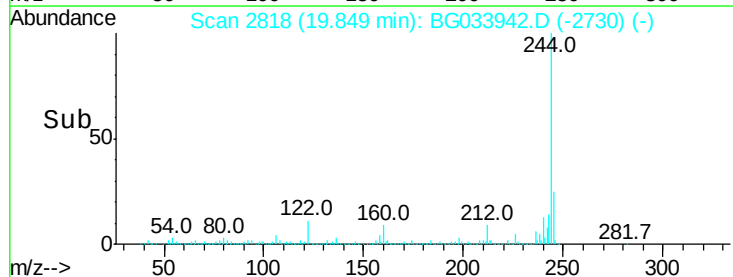
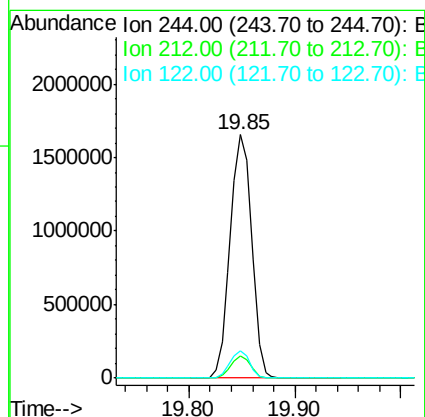
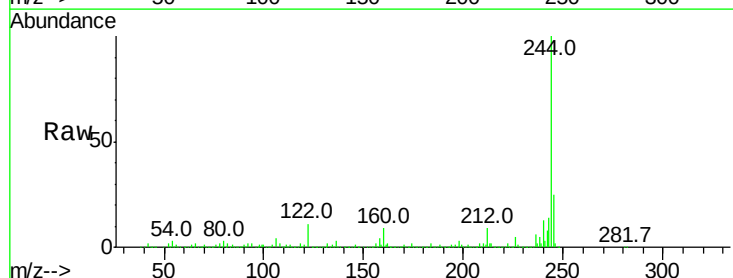
Tgt Ion:244 Resp: 2334848

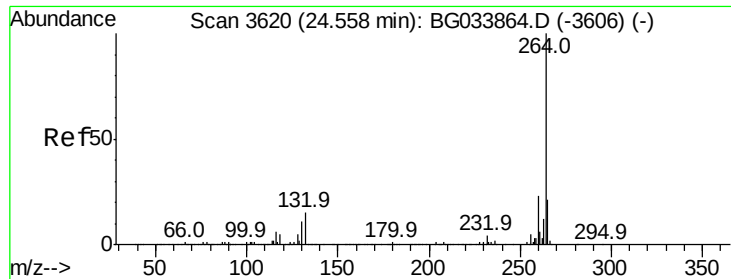
Ion Ratio Lower Upper

244 100

212 9.3 5.8 8.8#

122 11.2 7.0 10.4#

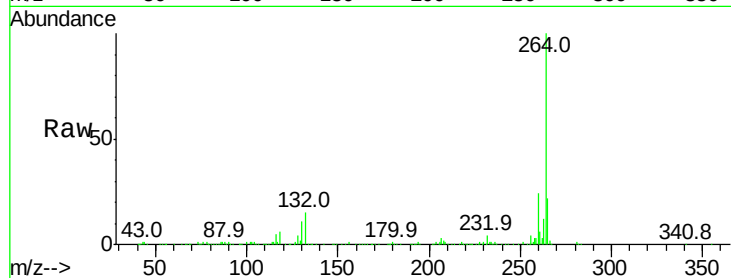




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.53 min Scan# 3614
 Delta R.T. -0.03 min
 Lab File: BG033942.D
 Acq: 24 Apr 2018 5:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.4	26.0
265	22.0	17.7	26.5



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

